

FIG. 1
PRIOR ART

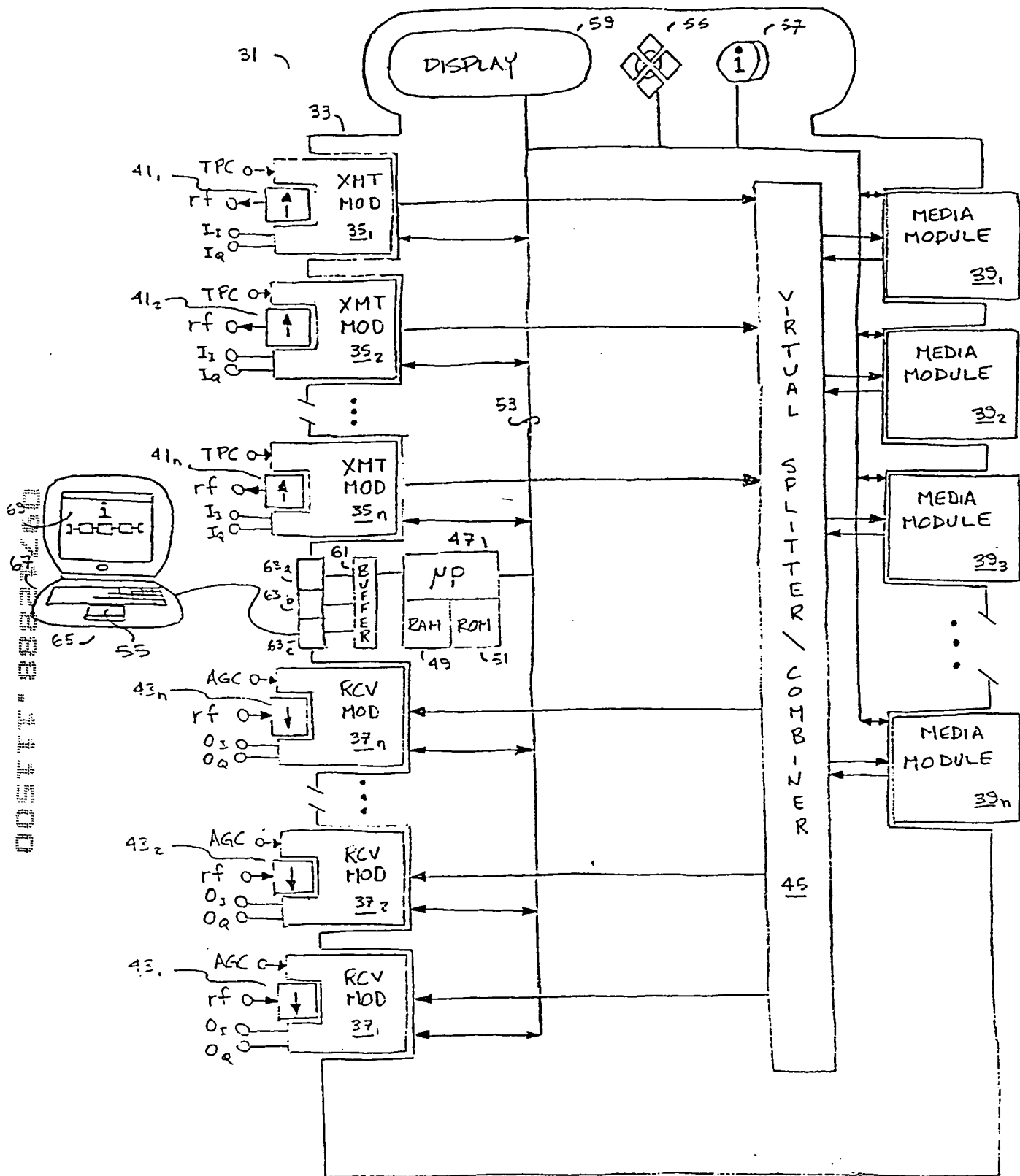


FIG. 3

31,

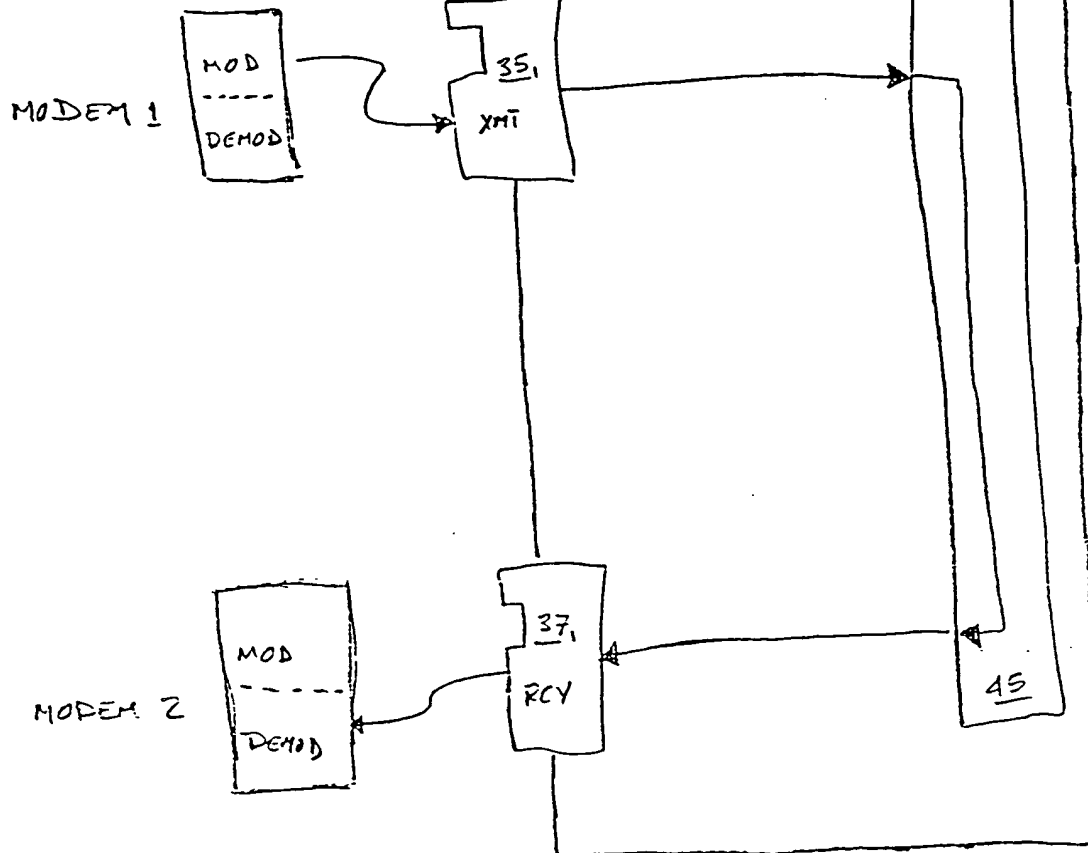


FIG. 4a

097468888.4.4.500

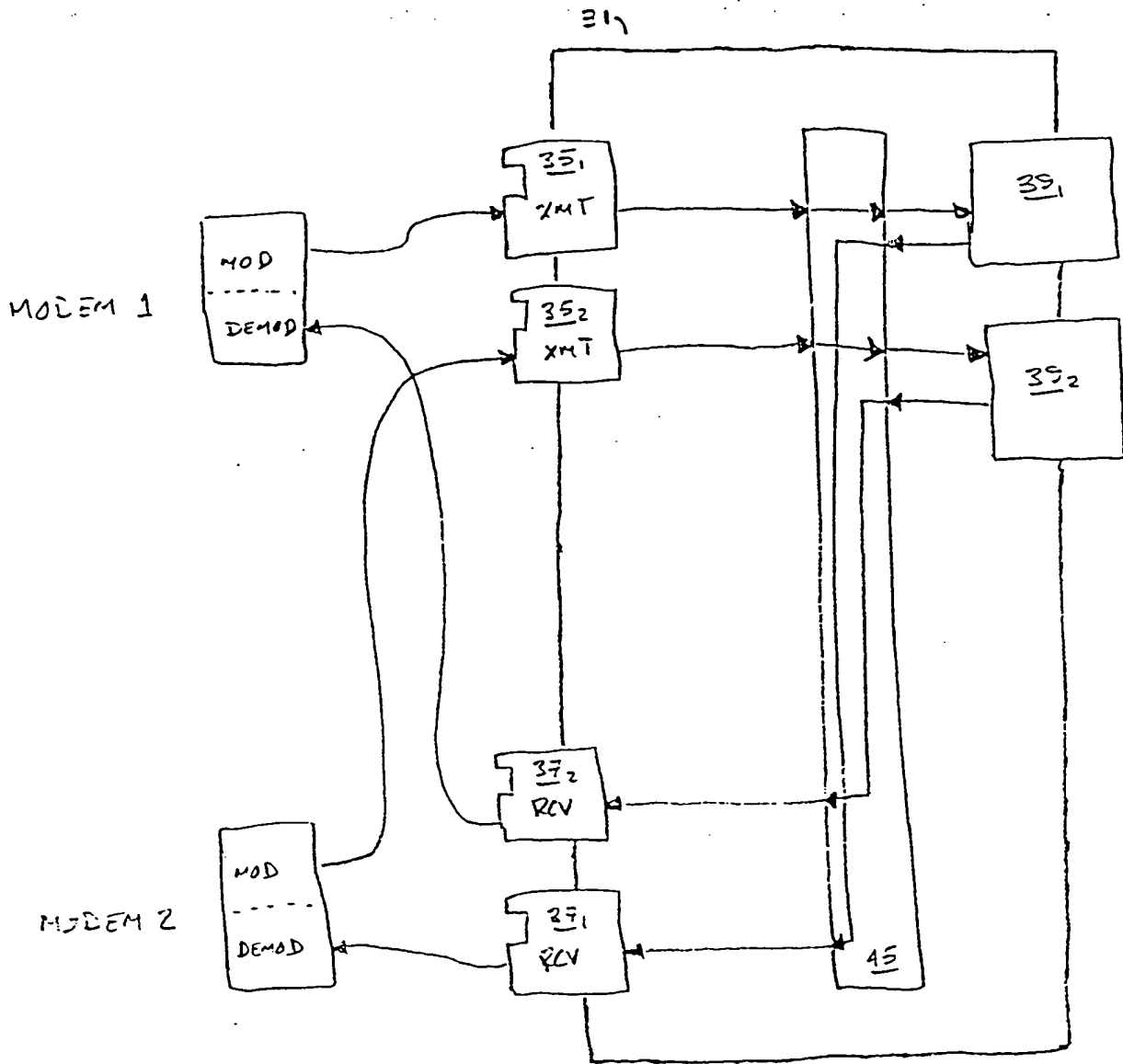


FIG. 4b

00742333.4.4.500

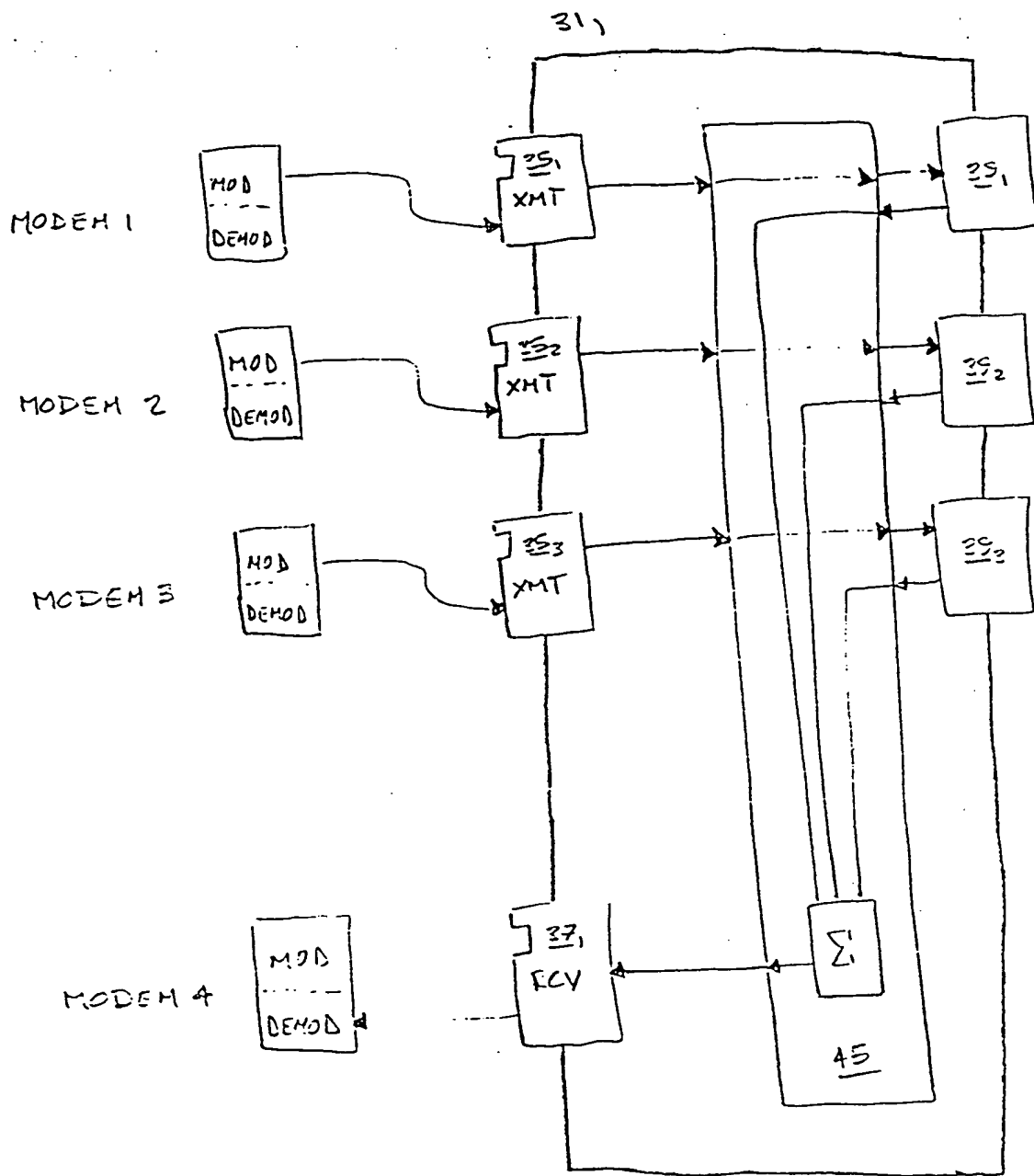


FIG. 4C

LINEAR IMPAIRMENTS MENU

AMPLITUDE

IMBALANCE (VARIABLE % IN DB)

DYNAMIC

- N
- SWEEP N
- π
- M
- 1

BANDWIDTH

GROUP DELAY (VARIABLE IN μ S V. HZ)

BANDWIDTH LIMITATIONS (VARIABLE IN DB V. HZ)

- LPF
- HPF (dc blocking)

CARRIER

FREQUENCY OFFSET (VARIABLE % IN HZ)

DYNAMIC

- N
- SWEEP N
- π
- $\Lambda/1$
- 1

dc OFFSET (RECEIVED) (VARIABLE IN DBM)

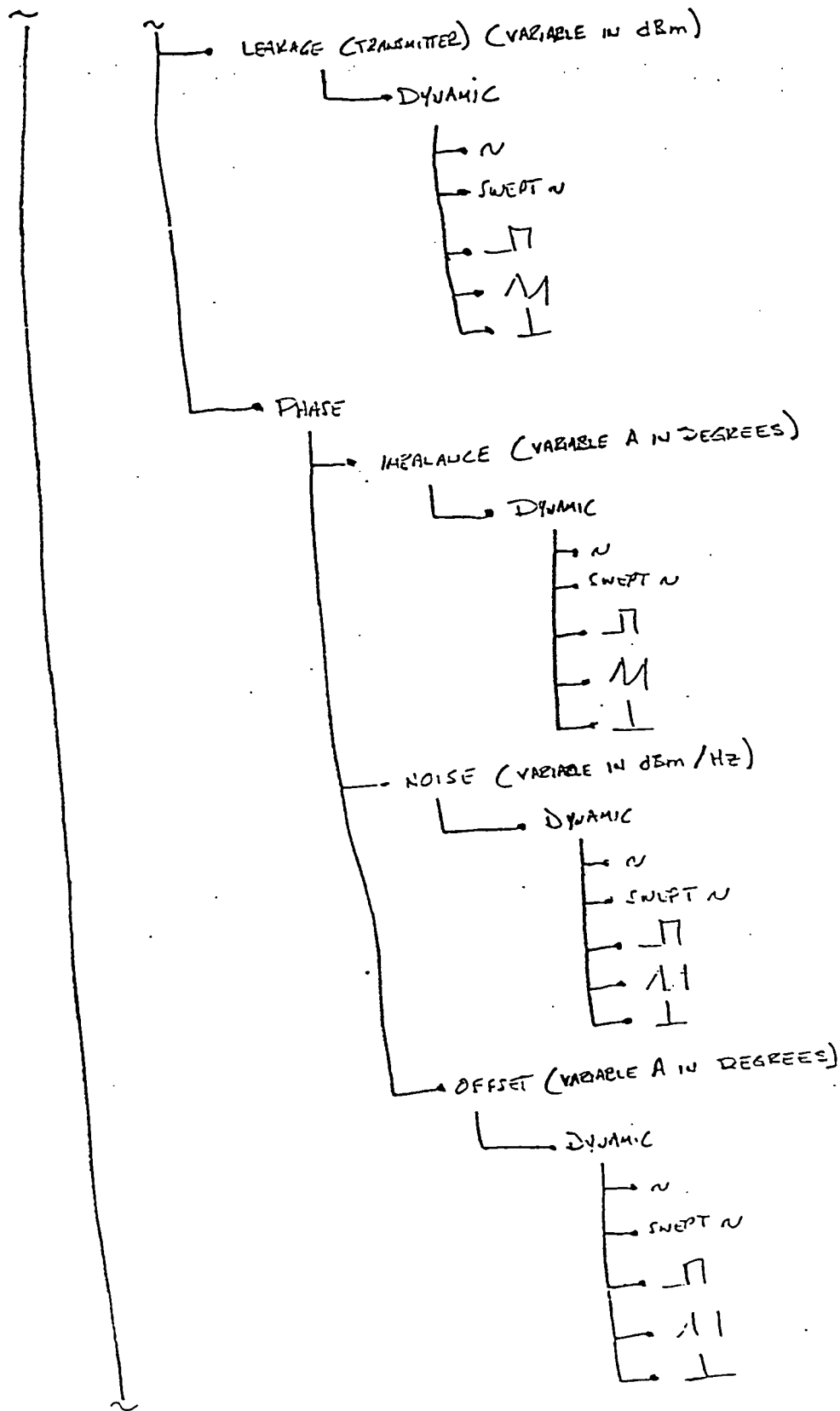
DYNAMIC

- N
- SWEEP N
- π
- $\Lambda/1$
- 1

TO FIG. 5b

FIG. 5c

FROM FIG. 5a



TO FIG. 5c

FIG. 5b

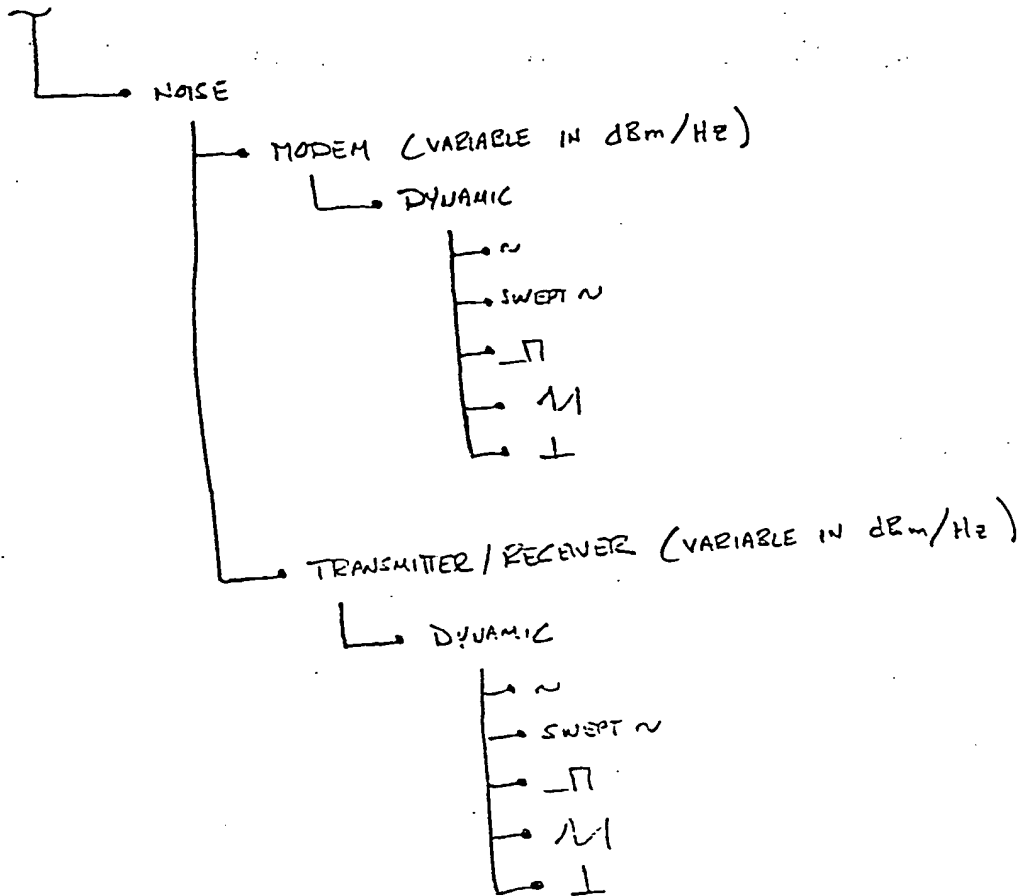
[illegible]

FIG. 5C

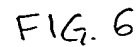
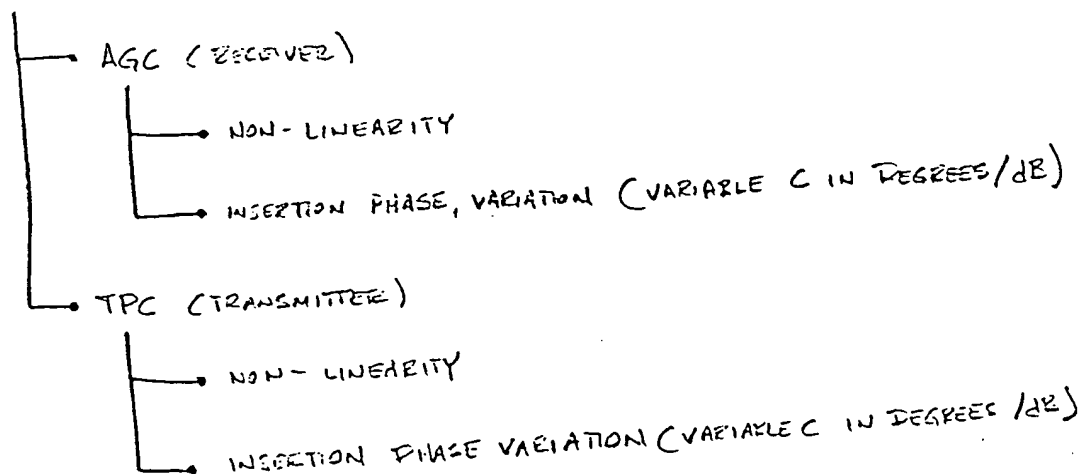
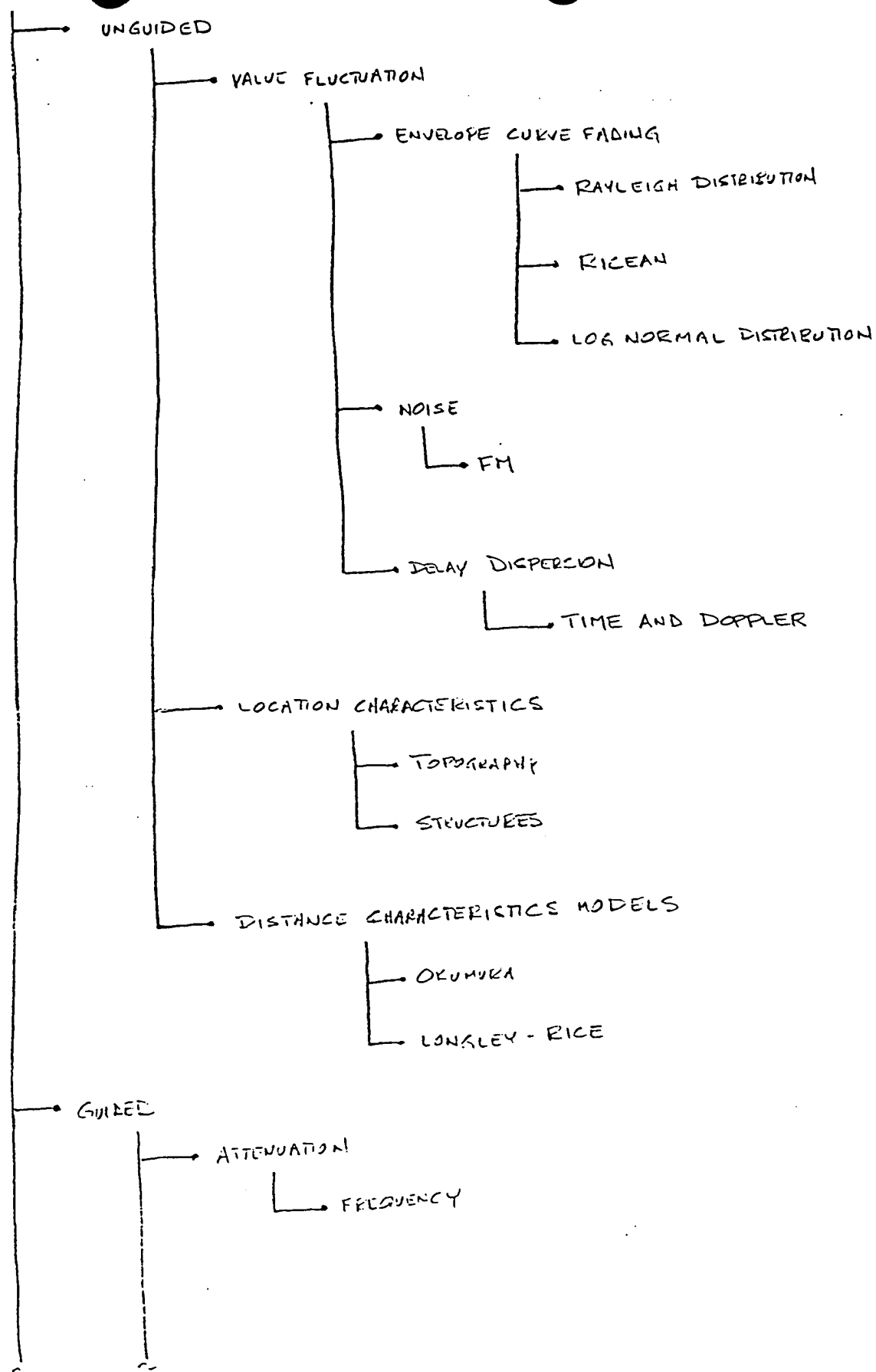
[illegible]

FIG. 7



PROPAGATION IMPAIRMENTS MENU

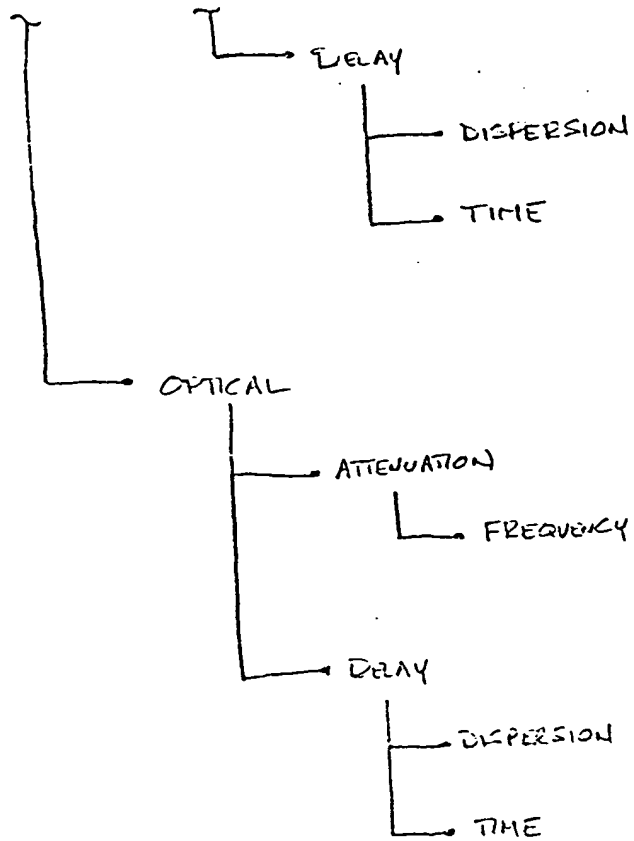


TO FIG. 6b

FIG. 8a

09742888 114900

1. *What is the purpose of the study?*
 2. *What are the research questions or hypotheses?*
 3. *What is the study design?*
 4. *What is the sample size and how was it selected?*
 5. *What are the variables being studied?*
 6. *What are the data collection methods?*
 7. *What are the results of the study?*
 8. *What are the conclusions and implications of the study?*



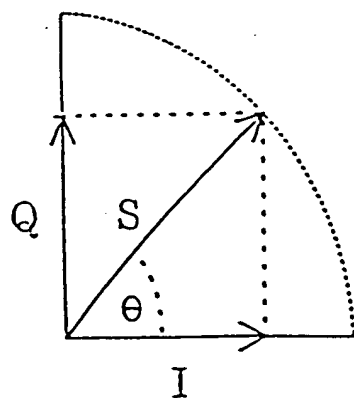


FIG. 9

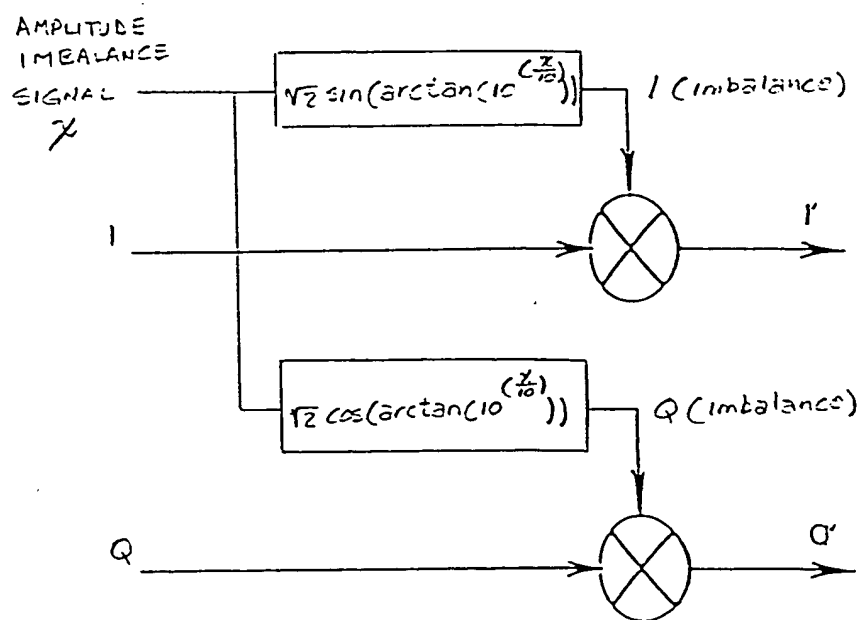
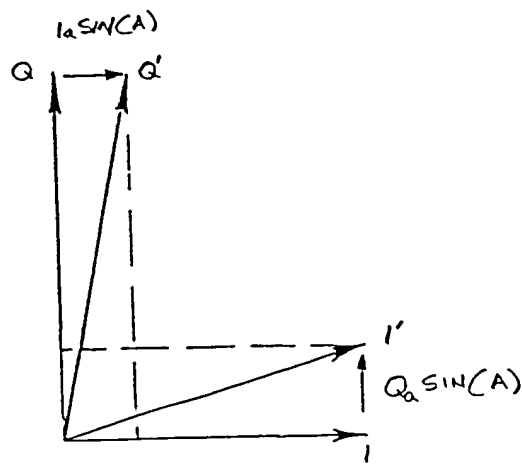
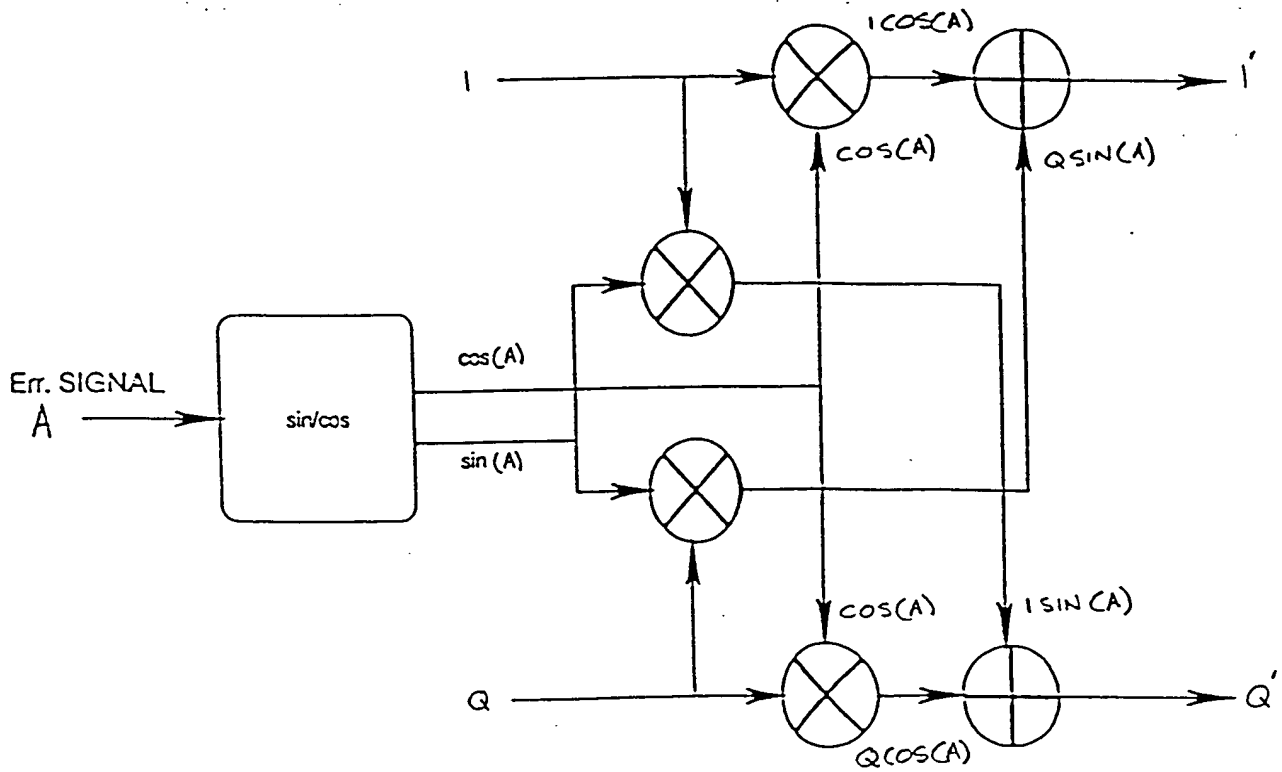


FIG. 10

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00742888-14500



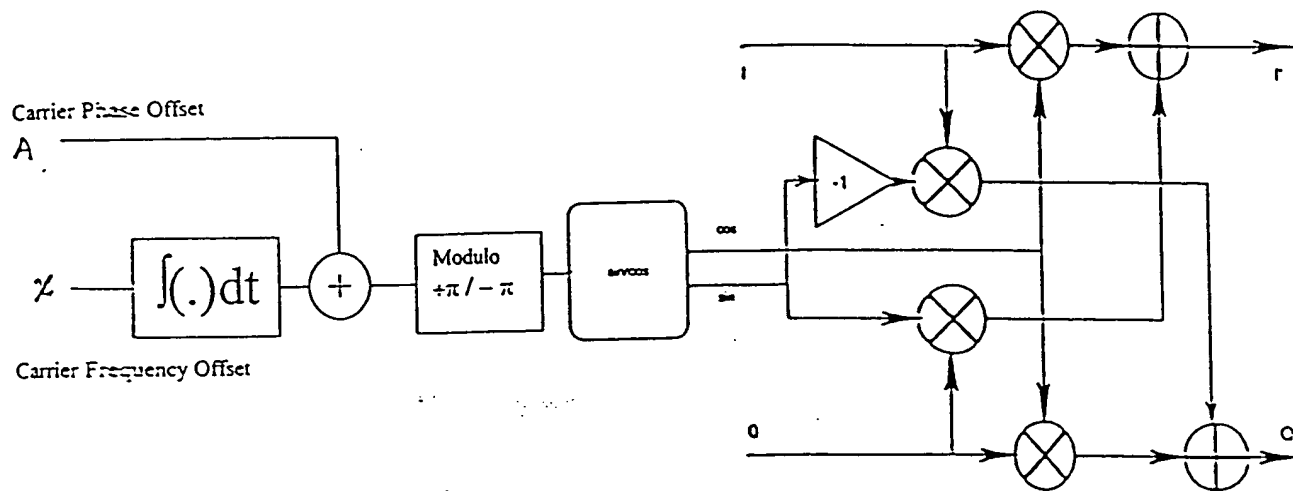


FIG. 12

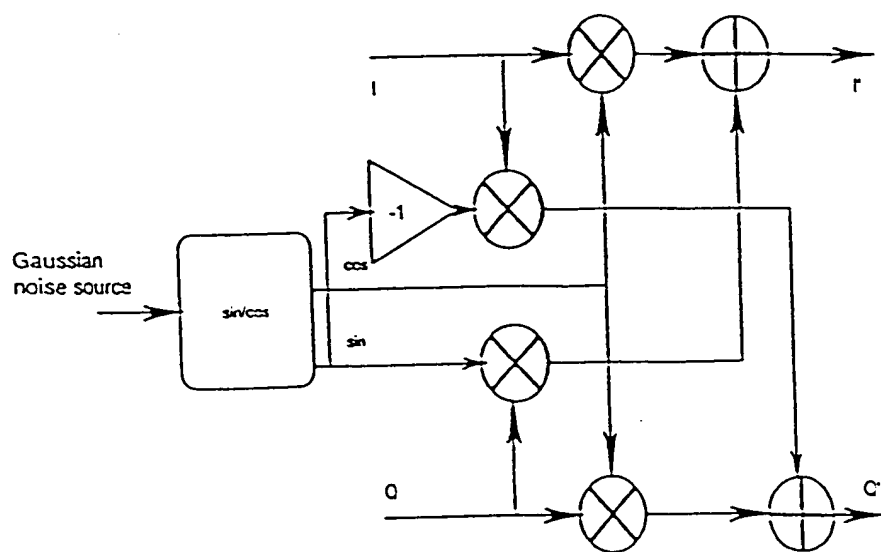


FIG. 13

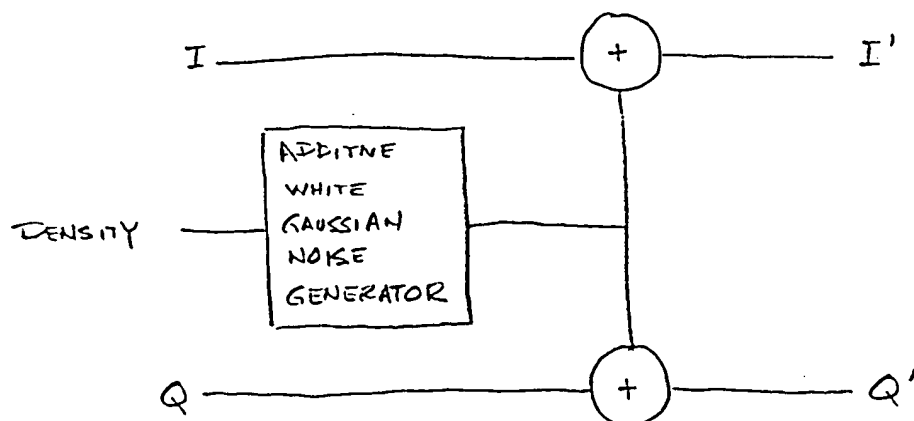


FIG. 14

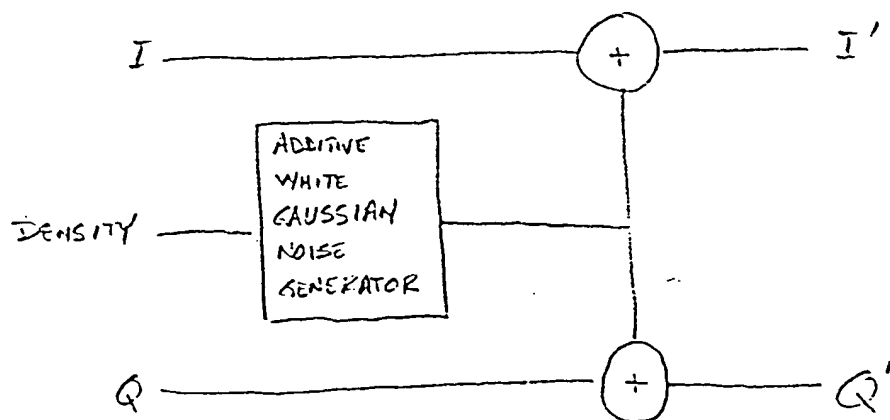


FIG. 15

FIG. 16

A block diagram of a system. An input signal a enters a summing junction from the left. The output of the summing junction enters a block containing a sine wave. The output of this block is the signal a .

FIG. 17

Control signals (DC offset)

FIG. 18

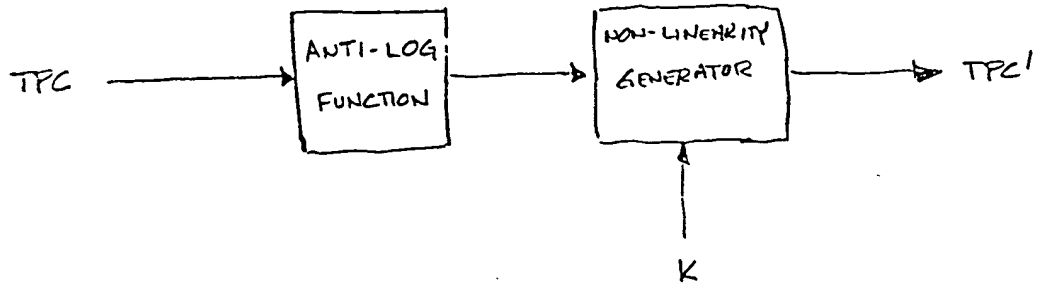


FIG. 19

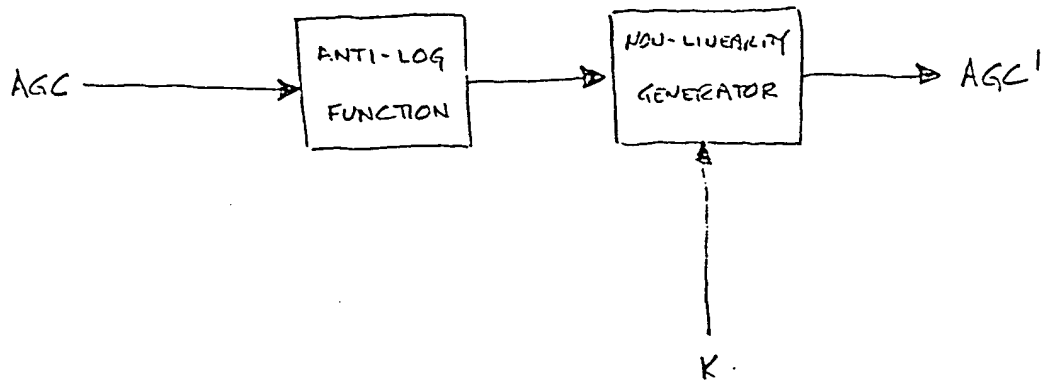


FIG. 20

TPC' FOR TRANSMITTER
(AGC' FOR RECEIVER)

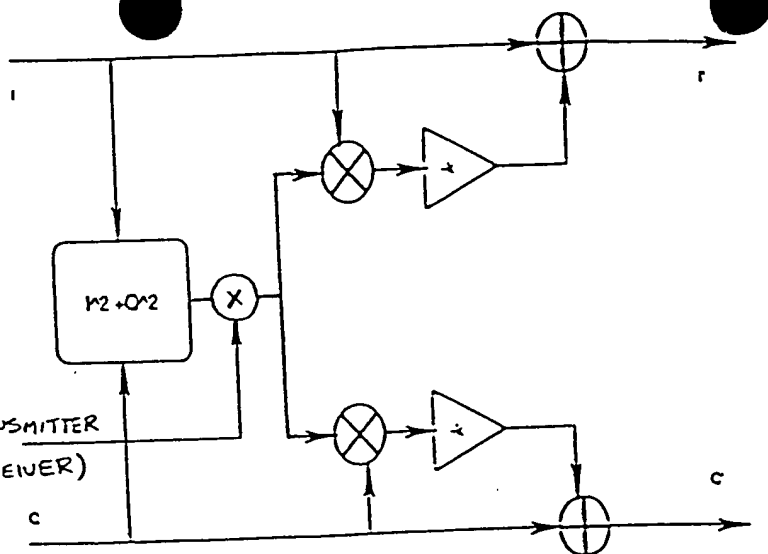


FIG. 21d

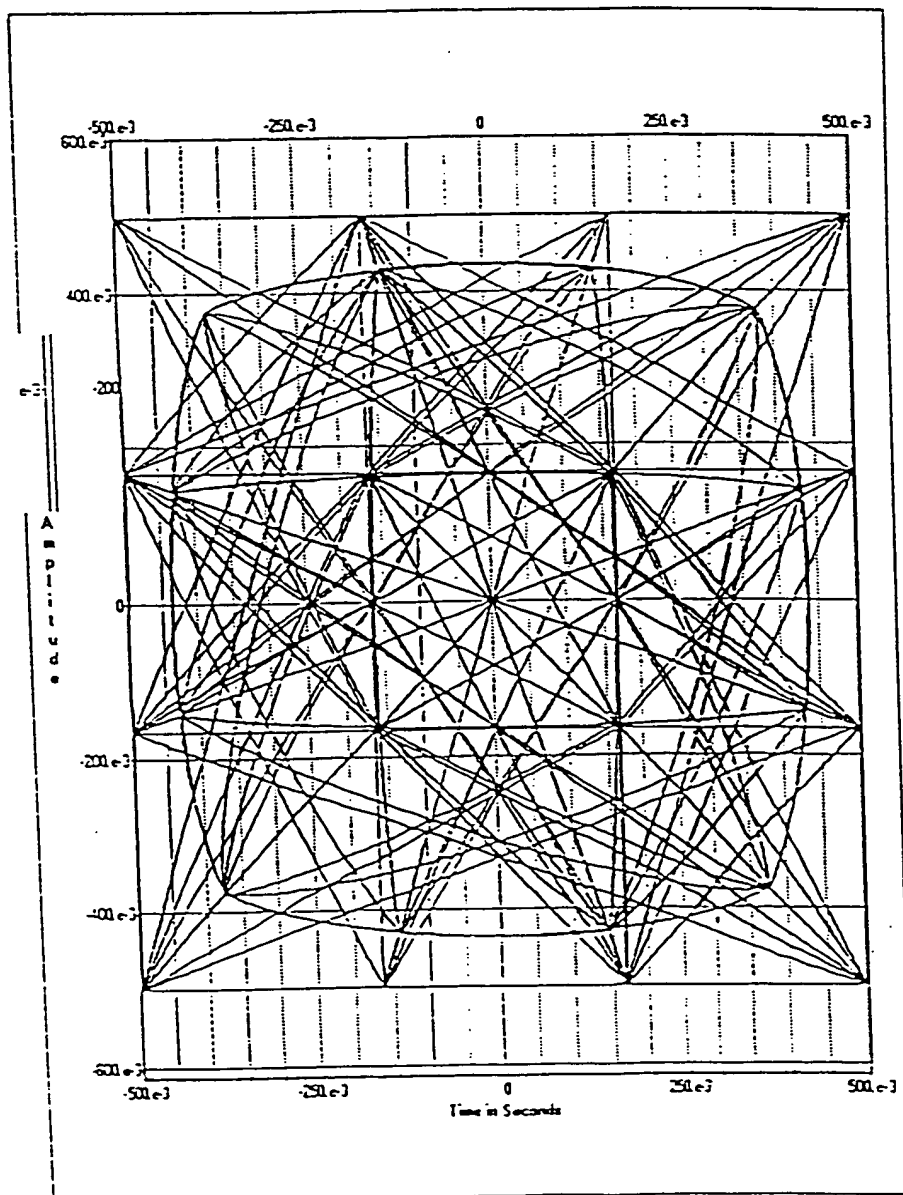


FIG. 21e

00742888 44500

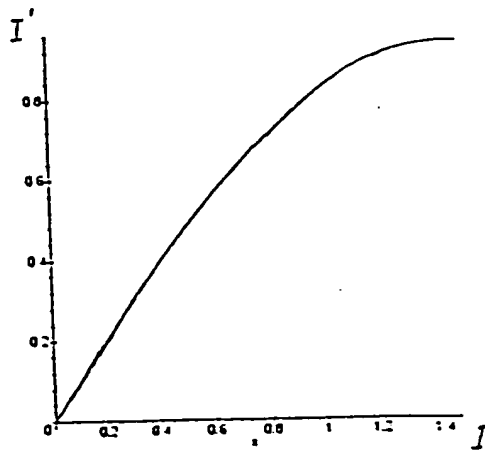
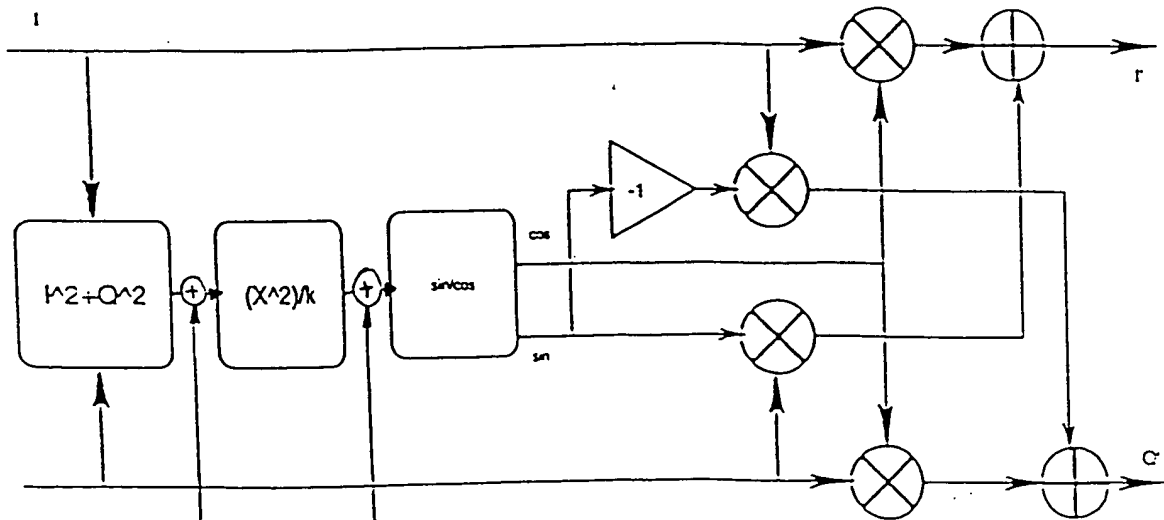


FIG. 21c



TPC FOR TRANSMITTER
(AGC FOR RECEIVER)

TPC FOR TRANSMITTER
(AGC FOR RECEIVER)

FIG. 22a

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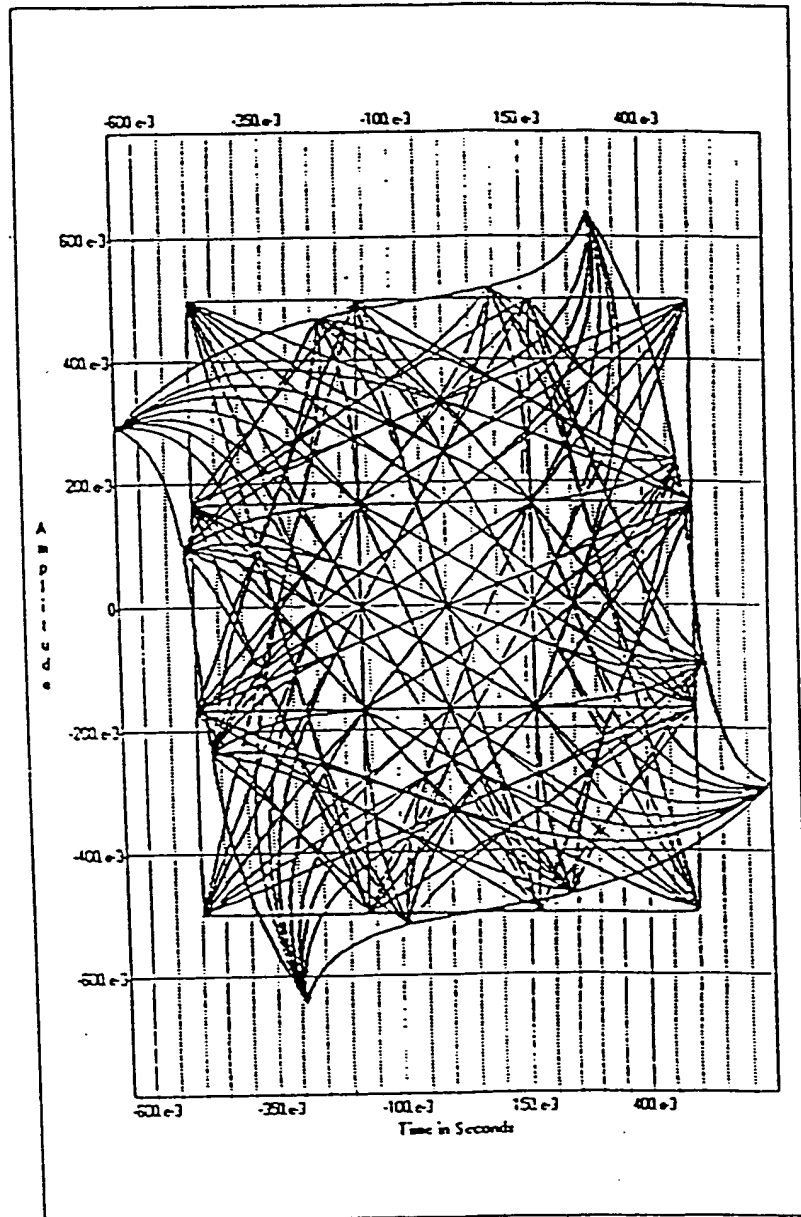


FIG 22B

251

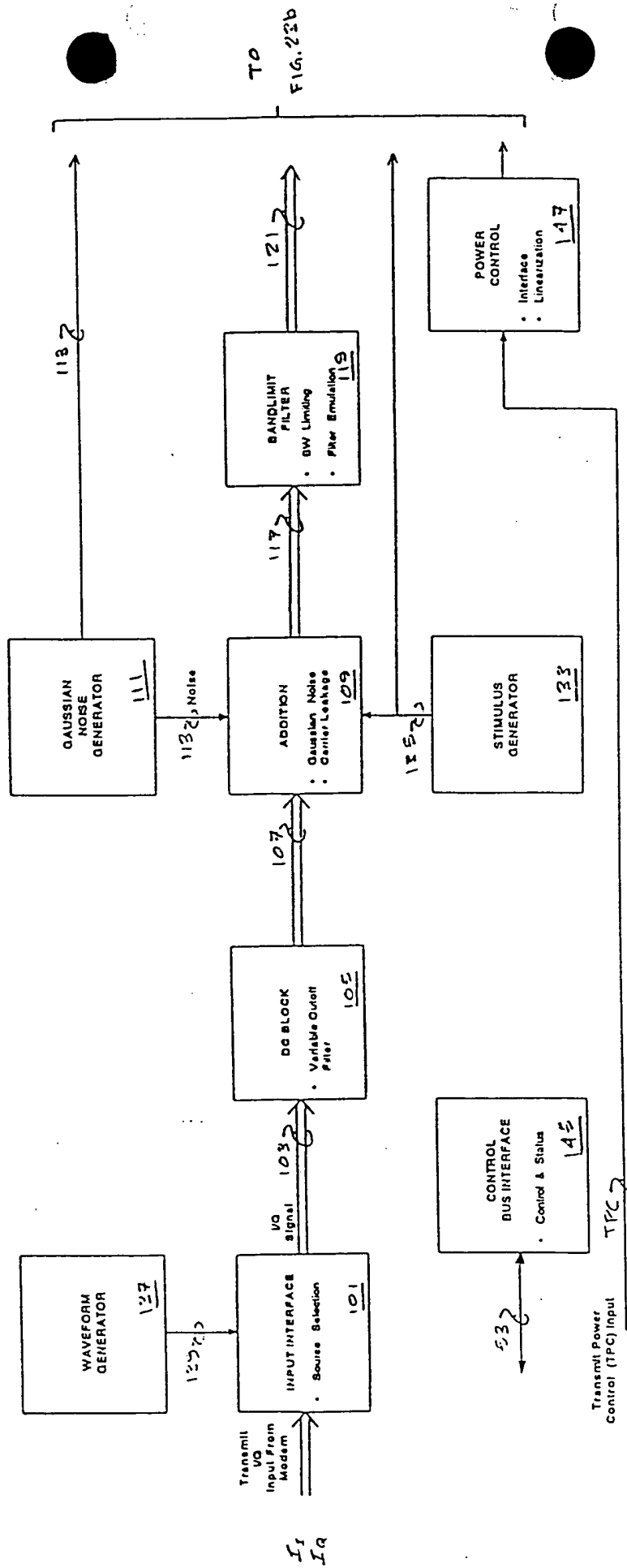


FIG. 23a

351

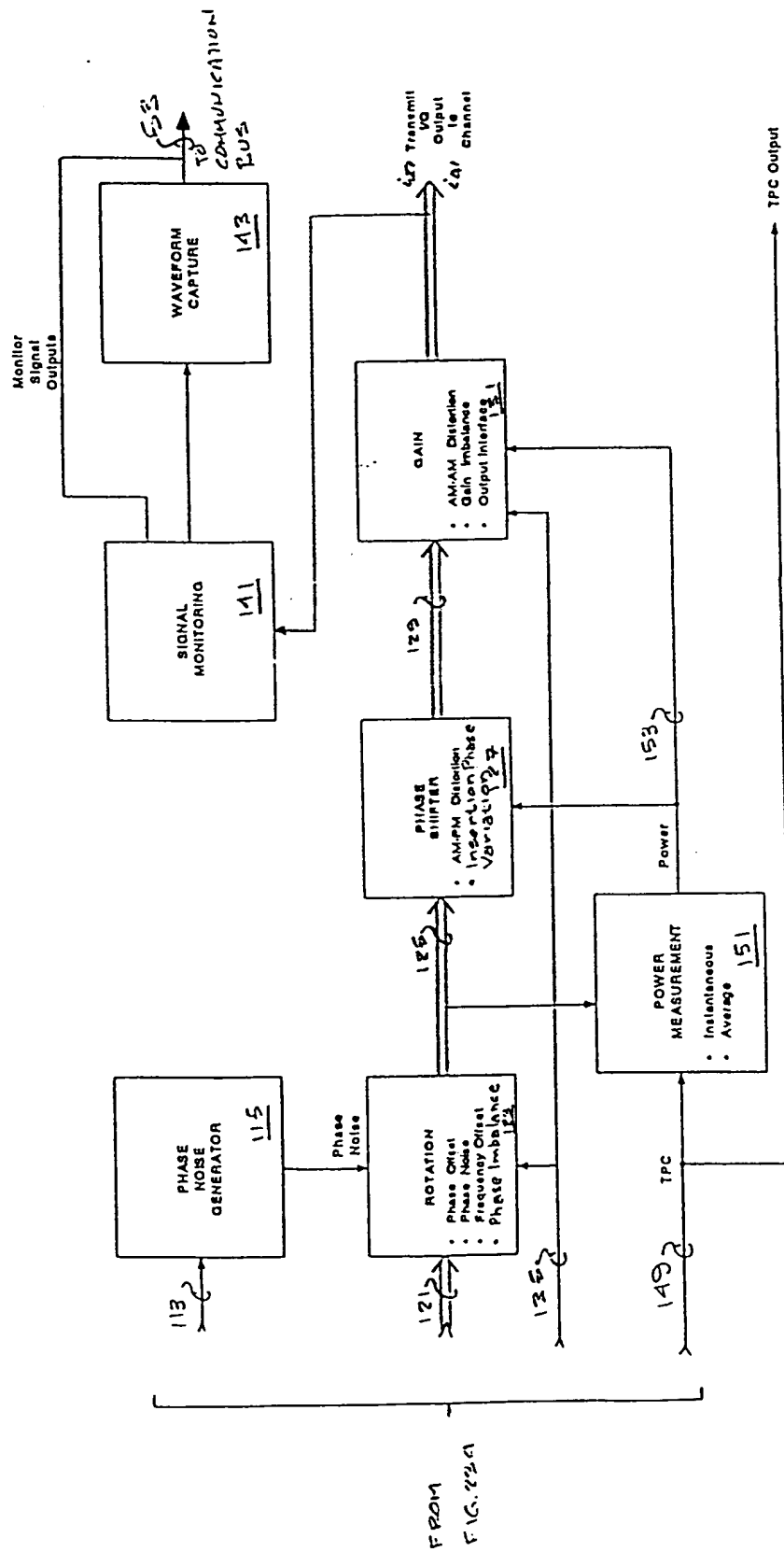


FIG. 23b

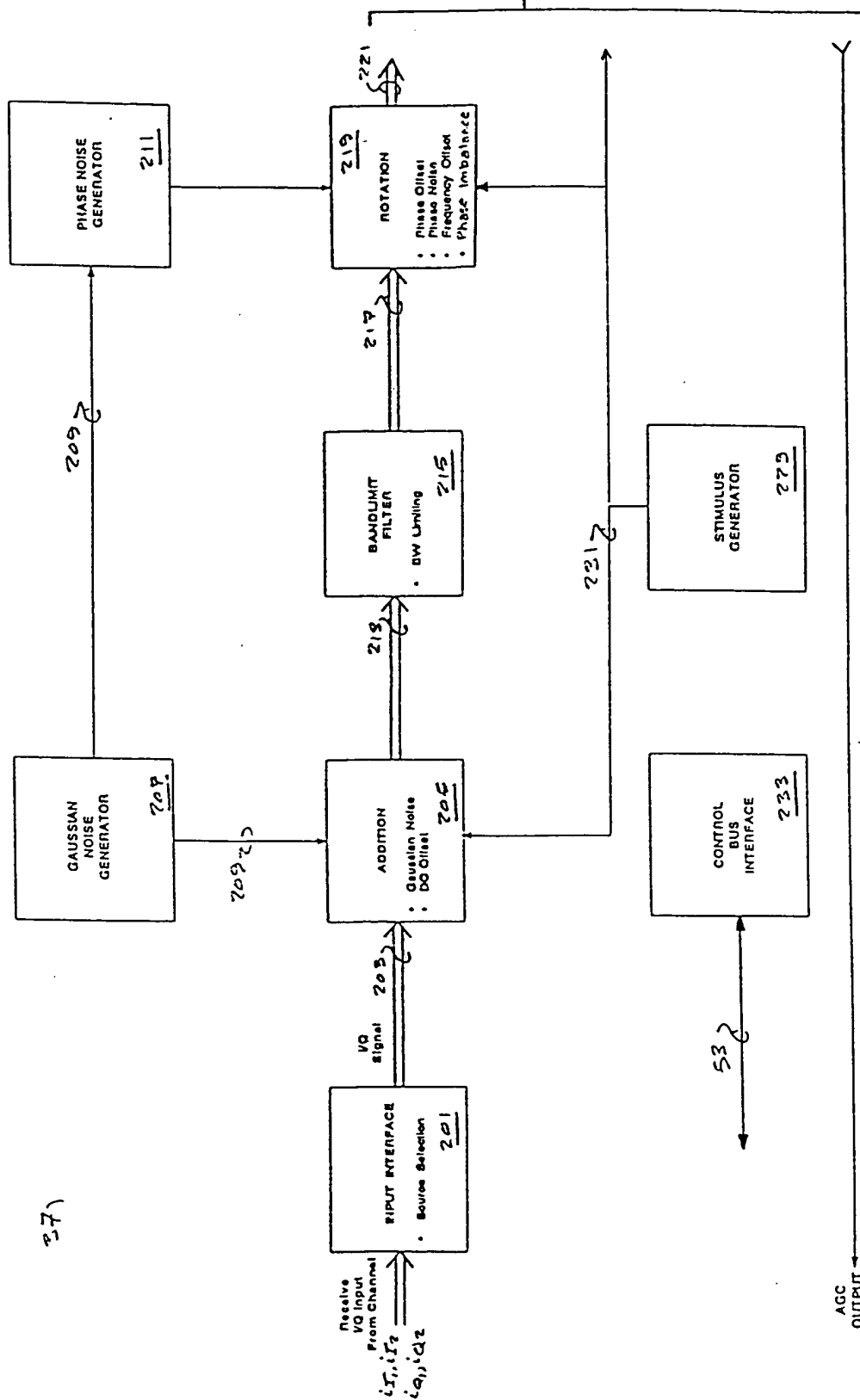


FIG. 2Aa

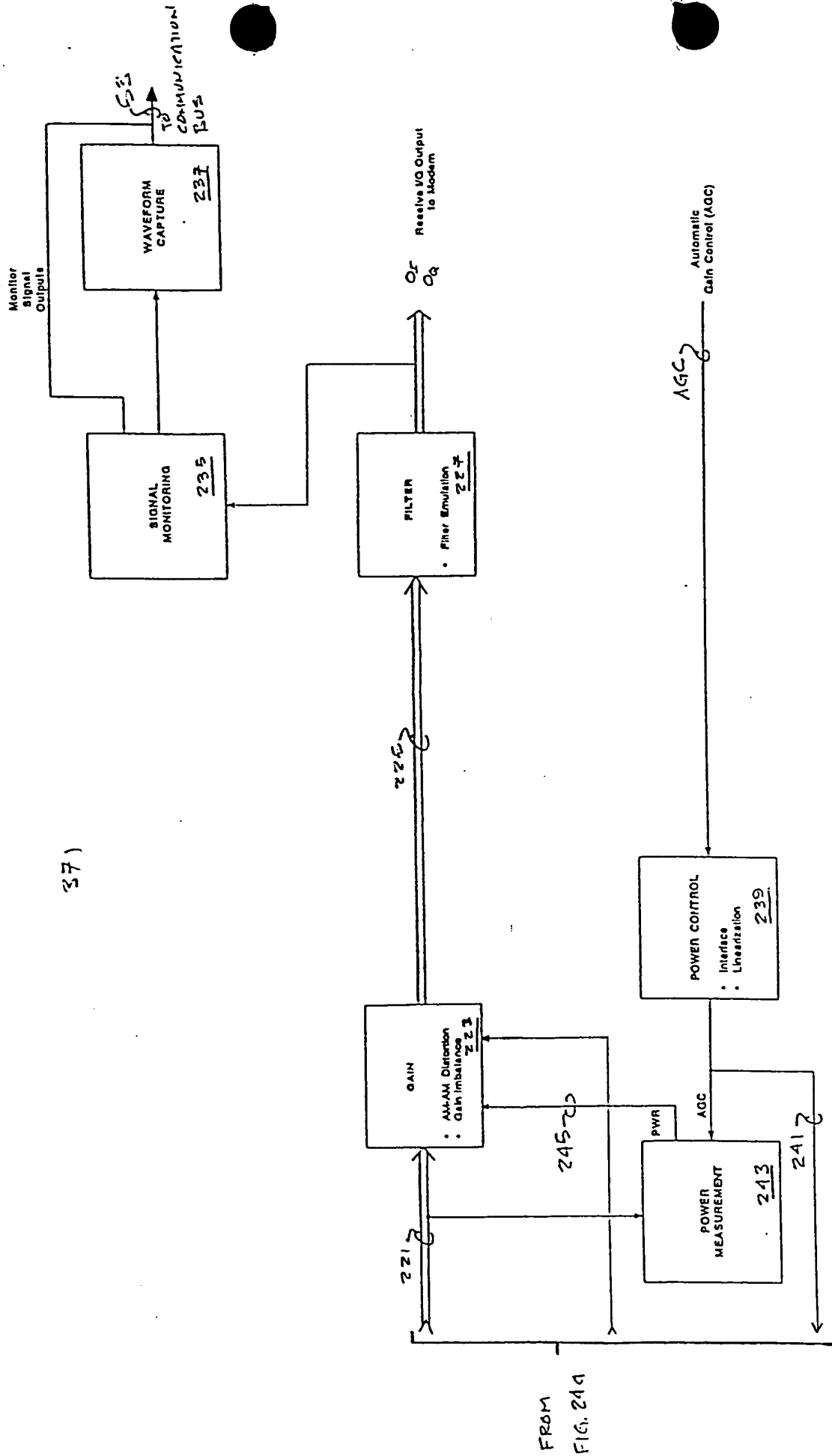


FIG. 21b

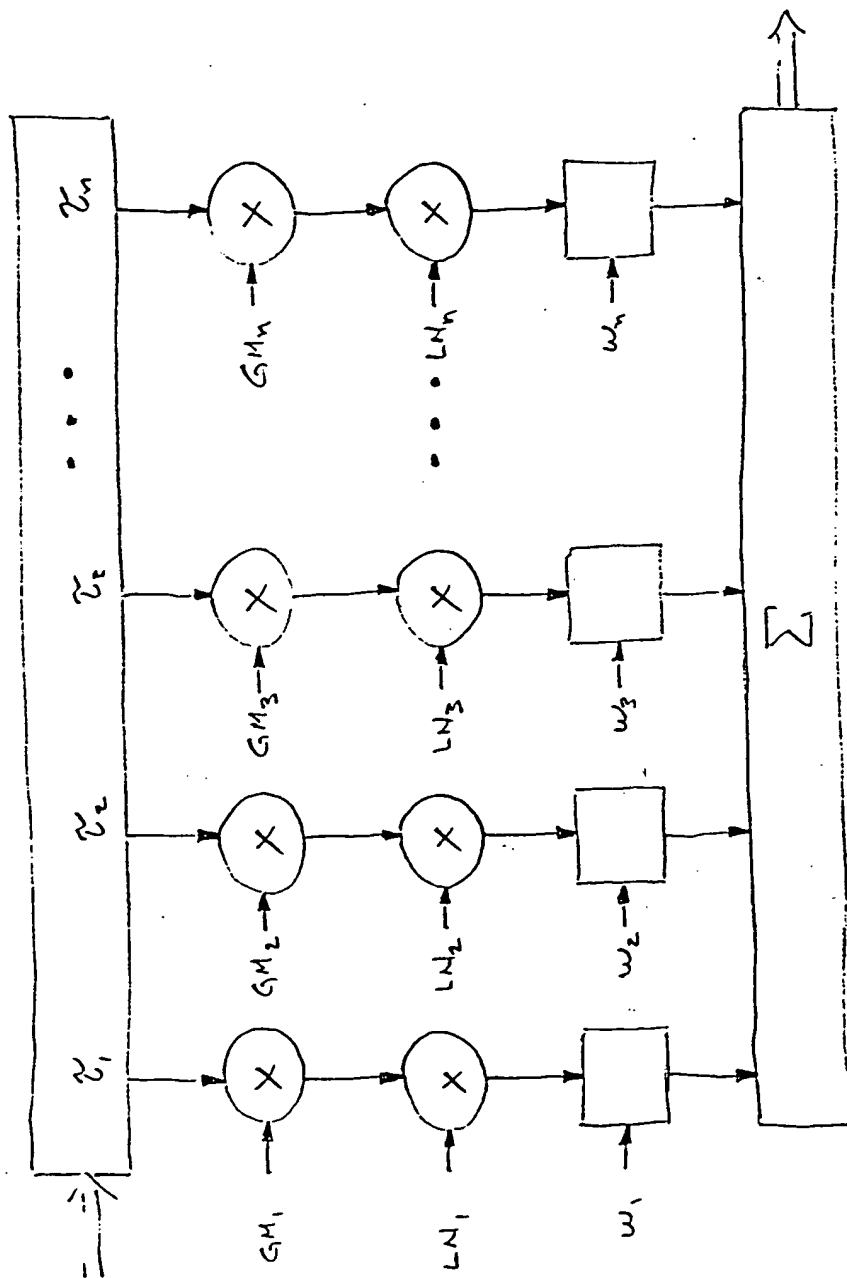


FIG. 25

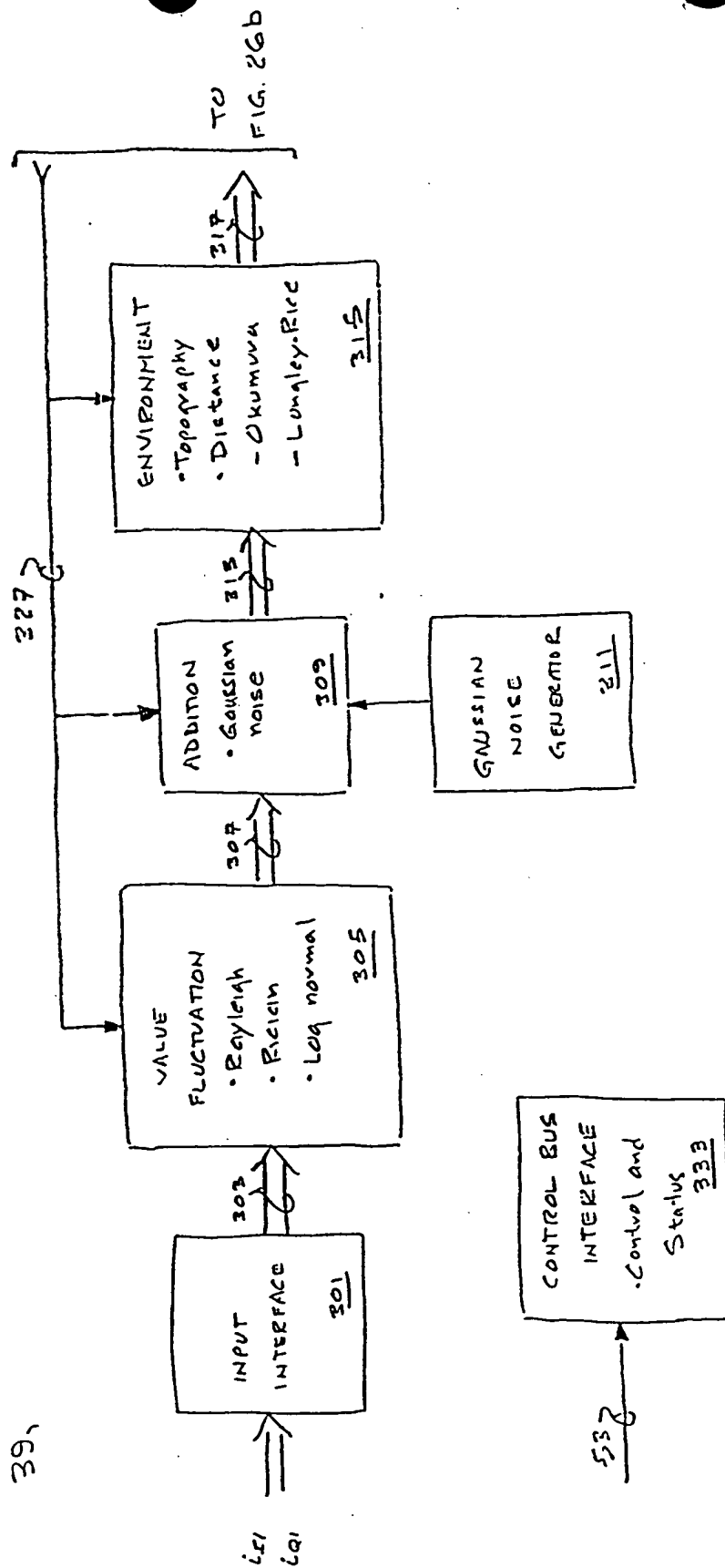


FIG. 26a

